310 Freight Receipt and Invoice (Ocean)

Functional Group ID=IO

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Freight Receipt and Invoice (Ocean) Transaction Set (310) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide ocean bill of lading information. It is sent by ocean carriers to interested parties and can be used as the receipt for the shipment; to substitute for a paper bill of lading where the parties have agreed that a paper bill of lading is not necessary; to allow shipper or forwarder to verify bill of lading information before an original is printed and released; for information purposes, i.e., as a bill of lading copy; by the carrier to convey manifest information to a terminal operator; and as an invoice for freight.

Notes:

Military Sealift Command uses this transaction set as an Ocean Freight Invoice for containerized, breakbulk, and Government Bill of Lading (GBL) shipments.

Notes:
1/180 The R4 loop will iterate once for the contracted Port of Embarkation (POE), once for the contracted Port of Debarkation (POD), and if the operational POE/POD is different, the R4 will iterate on each. [Note: The definition of a Lift is one unique Voyage Document Number, Sail Date, POE, POD, and Vessel Status combination.]
2/010 Use the LX loop to indicate up to 999 containers or breakbulk items per invoice.
2/070 Use the L1 loop to indicate up to 20 charges for a container (or breakbulk item).
2/150 Use the L0 loop for content and tariff information for GBL containers when content level rating is required and for Breakbulk items. A container can have up to 120 types of contents.

Comments:
1/040 Signature of authorizing carrier representative will be maintained in the individual Trading Partner Agreements (TPAs).
3/010 *Total-Invoice-Amount* will be included in this segment.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	B3	Beginning Segment for Carrier's Invoice	M	1		
Not Used	030	B2A	Set Purpose	O	1		
	040	Y6	Authentication	O	2		
Not Used	050	G3	Compensation Information	O	1		
Must Use	060	N9	Reference Identification	O	15		
Must Use	070	V1	Vessel Identification	M	2		

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Not Used	080	M0	Letter of Credit Reference	O	1		
Not Used	090	M1	Insurance	O	5		
Not Used	100	C2	Bank ID	O	1		
Not Used	110	C3	Currency	O	1		
Not Used	120	Y2	Container Details	O	10		
			LOOP ID - N1			10	
Must Use	130	N1	Name	M	1		
	140	N2	Additional Name Information	O	1		
	150	N3	Address Information	O	2		
	160	N4	Geographic Location	O	1		
Not Used	170	G61	Contact	O	3		
			LOOP ID - R4			20	
Must Use	180	R4	Port	M	1		
Must Use	190	DTM	Date/Time Reference	O	15		
Not Used	199	R2A	Route Information with Preference	O	25		
Not Used	200	R2	Route Information	O	13		
Not Used	210	K1	Remarks	O	12		
Not Used	220	H3	Special Handling Instructions	O	6		
Not Used	230	L5	Description, Marks and Numbers	O	1		
			LOOP ID - C8			20	
Not Used	240	C8	Certifications and Clauses	O	1		
Not Used	250	C8C	Certifications Clauses Continuation	O	5		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - LX			999	
Must Use	010	LX	Assigned Number	M	1		
			LOOP ID - N7			999	
Must Use	020	N7	Equipment Details	O	1		
Not Used	025	QTY	Quantity	O	1		
Not Used	030	V4	Cargo Location Reference	O	1		
Not Used	040	N12	Equipment Environment	O	1		
Not Used	050	M7	Seal Numbers	O	5		
Not Used	060	W09	Equipment and Temperature	O	1		
			LOOP ID - L1			20	
	070	L1	Rate and Charges	O	1		
Not Used	080	C3	Currency	O	1		
Not Used	090	L7	Tariff Reference	O	1		
Not Used	100	X1	Export License	O	1		
Not Used	110	X2	Import License	O	1		
Must Use	120	N9	Reference Identification	O	3		
			LOOP ID - H1			10	
Not Used	130	H1	Hazardous Material	O	1		
Not Used	140	H2	Additional Hazardous Material Description	O	10		

			LOOP ID - L0			120	
	150	L0	Line Item - Quantity and Weight	O	1		
	160	L5	Description, Marks and Numbers	O	999		
			LOOP ID - L1			20	
	170	L1	Rate and Charges	O	1		
Not Used	180	C3	Currency	O	1		
	190	L7	Tariff Reference	O	1		
Not Used	200	X1	Export License	O	1		
Not Used	210	X2	Import License	O	1		
			LOOP ID - C8			20	
Not Used	220	C8	Certifications and Clauses	O	1		
Not Used	221	C8C	Certifications Clauses Continuation	O	5		
			LOOP ID - H1			10	
Not Used	230	H1	Hazardous Material	O	1		
Not Used	240	H2	Additional Hazardous Material Description	O	10		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	L3	Total Weight and Charges	M	1		
Not Used	020	PWK	Paperwork	O	25		
			LOOP ID - L1			20	
Not Used	030	L1	Rate and Charges	O	1		
Not Used	040	C3	Currency	O	1		
Not Used	050	V9	Event Detail	O	10		
Not Used	055	C8	Certifications and Clauses	O	20		
Not Used	060	K1	Remarks	O	999		
Not Used	070	L11	Business Instructions	O	1		
Must Use	080	SE	Transaction Set Trailer	M	1		

Segment: ST **Transaction Set Header**

Position:	010
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the start of a transaction set and to assign a control number
Syntax Notes:	
Semantic Notes:	1 The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	ST01	143	**Transaction Set Identifier Code**	**M ID 3/3**
			Code uniquely identifying a Transaction Set	
			310 X12.118 Freight Receipt and Invoice (Ocean)	
Must Use	ST02	329	**Transaction Set Control Number**	**M AN 4/9**
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

Segment:	**B3** Beginning Segment for Carrier's Invoice			

Segment: **B3**   **Beginning Segment for Carrier's Invoice**

Position:	020
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To transmit basic data relating to the carrier's invoice
Syntax Notes:	**1** If either B309 or B310 is present, then the other is required.
Semantic Notes:	**1** B306 is the billing date.
	2 On collect freight bills the data in B309 will be the actual delivery date. For the shipments invoiced prior to delivery, the B309 will be the estimated date of delivery.
	3 If B314 is used, B304 will indicate the party or parties responsible for payment of the transportation terms identified in B314.
Comments:	
Notes:	*If code value RB or CO is used in B308, B307 will reflect the sum of all unpaid invoice line items.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**B301**	**147**	**Shipment Qualifier**	**O**	**ID 1/1**

Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time

Shipment Qualifier (indicates the type of invoice).

     2   Sea Waybill

        A non-negotiable transport document issued by an ocean carrier covering cargo shipped on a vessel owned or chartered by that carrier

Must Use	**B302**	**76**	**Invoice Number**	**M**	**AN 1/22**

Identifying number assigned by issuer

Invoice Number (Carrier's Invoice Number - up to 12 digits).

Must Use	**B303**	**145**	**Shipment Identification Number**	**O**	**AN 1/30**

Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)

Shipment Identification Number (MILSTAMP VDN - 5 digits).

Must Use	**B304**	**146**	**Shipment Method of Payment**	**M**	**ID 2/2**

Code identifying payment terms for transportation charges

     CC   Collect

     PP   Prepaid (by Seller)

Not Used	**B305**	**188**	**Weight Unit Code**	**O**	**ID 1/1**

Code specifying the weight unit

Must Use	**B306**	**373**	**Date**	**M**	**DT 6/6**

Date (YYMMDD)

Billing Date (Date this 310 was issued).

Must Use	B307	193	**Net Amount Due**	M	N2 1/9

Total charges to be paid by the receiver of this transaction set expressed in the standard monetary denomination for the currency specified

Net amount due on invoice.

	B308	202	**Correction Indicator**	O	ID 2/2

Code used to indicate that the transaction set contains information which corrects previous information

Blank if original invoice.

CO		Correction
RB		Rebilling (Ignore Previous Bill)

Not Used	B309	32	**Delivery Date**	X	DT 6/6

Date for delivery of cargo to final consignee or to next mode

Not Used	B310	374	**Date/Time Qualifier**	X	ID 3/3

Code specifying type of date or time, or both date and time

Must Use	B311	140	**Standard Carrier Alpha Code**	M	ID 2/4

Standard Carrier Alpha Code

	B312	373	**Date**	O	DT 6/6

Date (YYMMDD)

Invoice creation date.

Not Used	B313	375	**Tariff Service Code**	O	ID 2/2

Code specifying the types of services for rating purposes

Not Used	B314	335	**Transportation Terms Code**	O	ID 3/3

Code identifying the trade terms which apply to the shipment transportation responsibility

Segment:	**Y6** Authentication
Position:	040
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	2
Purpose:	To specify the authority for authorizing an action and the date authentication is made
Syntax Notes:	
Semantic Notes:	
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
	Y601	**313**	**Authority Identifier Code**		**O ID 2/2**
			Code indicating authority for authentication		
			CA	Carrier	
			SH	Shipper	
Must Use	**Y602**	**151**	**Authority**		**M AN 1/20**
			Name or code of authority for authorizing action or reservation		
			Signing authority name.		
Must Use	**Y603**	**275**	**Authorization Date**		**M DT 6/6**
			Date authentication is made		
			Date invoice signed.		

			Segment:	**N9** Reference Identification

Position: 060
Loop:
Level: Heading
Usage: Optional (Must Use)
Max Use: 15
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:
  1 At least one of N902 or N903 is required.
  2 If N906 is present, then N905 is required.
  3 If either C04003 or C04004 is present, then the other is required.
  4 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
  1 N906 reflects the time zone which the time reflects.
  2 N907 contains data relating to the value cited in N902.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N901	128	**Reference Identification Qualifier**	M ID 2/3

Code qualifying the Reference Identification

BL	Government Bill of Lading
CT	Contract Number
TJ	Federal Taxpayer's Identification Number

	Ref. Des.	Data Element	Name	Attributes
Must Use	N902	127	**Reference Identification**	X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Reference Number (used for the full contract - 13 digits or GBL number).

	Ref. Des.	Data Element	Name	Attributes
Not Used	N903	369	**Free-form Description**	X AN 1/45

Free-form descriptive text

	Ref. Des.	Data Element	Name	Attributes
Not Used	N904	373	**Date**	O DT 6/6

Date (YYMMDD)

	Ref. Des.	Data Element	Name	Attributes
Not Used	N905	337	**Time**	X TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

	Ref. Des.	Data Element	Name	Attributes
Not Used	N906	623	**Time Code**	O ID 2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time;

since + is a restricted character, + and - are substituted by P and M in the codes that follow

Not Used	N907	C040	**Reference Identifier**	**O**	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
Not Used	C04001	128	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
Not Used	C04002	127	**Reference Identification**	**M**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	C04003	128	**Reference Identification Qualifier**	**X**	**ID 2/3**
			Code qualifying the Reference Identification		
Not Used	C04004	127	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	C04005	128	**Reference Identification Qualifier**	**X**	**ID 2/3**
			Code qualifying the Reference Identification		
Not Used	C04006	127	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

Segment:	**V1** Vessel Identification			
Position:	070			
Loop:				
Level:	Heading			
Usage:	Mandatory			
Max Use:	2			
Purpose:	To provide vessel details and voyage number			
Syntax Notes:	**1**	At least one of V101 or V102 is required.		
	2	If V108 is present, then V101 is required.		
Semantic Notes:	**1**	V103 is the code identifying the country in which the ship (vessel) is registered.		
	2	V105 identifies the ocean carrier.		
Comments:				

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
	V101	**597**	**Vessel Code**	**X**	**ID 1/7**
			Code identifying vessel		
			*Lloyd*s Register of Shipping or Radio Call Sign.*		
Must Use	**V102**	**182**	**Vessel Name**	**X**	**AN 2/28**
			Name of ship as documented in "Lloyd's Register of Ships"		
			Vessel Name (Assigned Identification).		
	V103	**26**	**Country Code**	**O**	**ID 2/3**
			Code identifying the country		
			Country Code (ISO Country Code).		
	V104	**55**	**Flight/Voyage Number**	**O**	**AN 2/10**
			Identifying designator for the particular flight or voyage on which the cargo travels		
			Carrier Commercial Voyage Number.		
	V105	**140**	**Standard Carrier Alpha Code**	**O**	**ID 2/4**
			Standard Carrier Alpha Code		
Not Used	**V106**	**249**	**Vessel Requirement Code**	**O**	**ID 1/1**
			Code specifying options for satisfying vessel requirements		
Not Used	**V107**	**854**	**Vessel Type Code**	**O**	**ID 2/2**
			Code to determine type of vessel		
	V108	**897**	**Vessel Code Qualifier**	**O**	**ID 1/1**
			Code specifying vessel code source		
			Vessel Code Qualifier (identifies V101).		
		C	Ship's Radio Call Signal		
		L	Lloyd's Register of Shipping		
Must Use	**V109**	**91**	**Transportation Method/Type Code**	**O**	**ID 1/2**

Code specifying the method or type of transportation for the shipment

O	Containerized Ocean
Q	Conventional Ocean
ZZ	Mutually defined

Vessel containing commingled cargo (a combination of Containerized and Breakbulk Cargo).

Segment:	**N1** Name			
Position:	130			
Loop:	N1	Mandatory		
Level:	Heading			
Usage:	Mandatory			
Max Use:	1			
Purpose:	To identify a party by type of organization, name, and code			
Syntax Notes:	1	At least one of N102 or N103 is required.		
	2	If either N103 or N104 is present, then the other is required.		
Semantic Notes:				
Comments:	1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.		
	2	N105 and N106 further define the type of entity in N101.		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98	**Entity Identifier Code**	M ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	
			CN Consignee	
			SH Shipper	
Must Use	N102	93	**Name**	X AN 1/35
			Free-form name	
Not Used	N103	66	**Identification Code Qualifier**	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
Not Used	N104	67	**Identification Code**	X AN 2/20
			Code identifying a party or other code	
Not Used	N105	706	**Entity Relationship Code**	O ID 2/2
			Code describing entity relationship	
Not Used	N106	98	**Entity Identifier Code**	O ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	

Segment: # N2 **Additional Name Information**

Position:	140
Loop:	N1 Mandatory
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To specify additional names or those longer than 35 characters in length
Syntax Notes:	
Semantic Notes:	
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N201	93	**Name**	M AN 1/35
			Free-form name	
	N202	93	**Name**	O AN 1/35
			Free-form name	

Segment: # N3 Address Information

Position:	150
Loop:	N1 Mandatory
Level:	Heading
Usage:	Optional
Max Use:	2
Purpose:	To specify the location of the named party
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	*Default information will be in the TPA.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N301	166	**Address Information**	M AN 1/35
			Address information	
	N302	166	**Address Information**	O AN 1/35
			Address information	

Segment:	**N4** Geographic Location		
Position:	160		
Loop:	N1 Mandatory		
Level:	Heading		
Usage:	Optional		
Max Use:	1		
Purpose:	To specify the geographic place of the named party		
Syntax Notes:	1 If N406 is present, then N405 is required.		
Semantic Notes:			
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.		
	2 N402 is required only if city name (N401) is in the U.S. or Canada.		
Notes:	*1. Default information will be in the TPA.*		
	2. N402 is required for U.S. addresses only.		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N401	19	**City Name**	O AN 2/30
			Free-form text for city name	
	N402	156	**State or Province Code**	O ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency	
Must Use	N403	116	**Postal Code**	O ID 3/15
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
Must Use	N404	26	**Country Code**	O ID 2/3
			Code identifying the country	
Not Used	N405	309	**Location Qualifier**	X ID 1/2
			Code identifying type of location	
Not Used	N406	310	**Location Identifier**	O AN 1/30
			Code which identifies a specific location	

Segment: # R4 Port

Position:	180
Loop:	R4 Mandatory
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	Contractual or operational port or point relevant to the movement of the cargo
Syntax Notes:	1 If either R402 or R403 is present, then the other is required.
Semantic Notes:	
Comments:	1 R4 is required for each port to be identified.
Notes:	*The R4 loop will iterate once for the contracted POE, once for the contracted POD, and if the operational POE/POD is different the R4 will iterate on each.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	R401	115	**Port Function Code**	M	ID 1/1

Code defining function performed at the port with respect to a shipment

D	Port of Discharge (Operational)	
	Port at which cargo is unloaded from vessel	
J	Bill of Lading Port of Loading (Contractual)	
	Place at which cargo is loaded on board the means of transport	
K	Bill of Lading Port of Discharge (Contractual)	
	Place at which cargo is discharged from means of transport	
L	Port of Loading (Operational)	
	Port at which cargo is loaded on vessel	

	Ref. Des.	Data Element	Name		Attributes
Must Use	R402	309	**Location Qualifier**	X	ID 1/2

Code identifying type of location

IM	Military Standard Movement Procedures (MILSTAMP)

	Ref. Des.	Data Element	Name		Attributes
Must Use	R403	310	**Location Identifier**	X	AN 1/30

Code which identifies a specific location

	Ref. Des.	Data Element	Name		Attributes
	R404	114	**Port Name**	O	AN 2/24

Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property

	Ref. Des.	Data Element	Name		Attributes
Must Use	R405	26	**Country Code**	O	ID 2/3

Code identifying the country

	Ref. Des.	Data Element	Name		Attributes
Not Used	R406	174	**Terminal Name**	O	AN 2/30

Free-form field for terminal name

	Ref. Des.	Data Element	Name		Attributes
Not Used	R407	113	**Pier Number**	O	AN 1/4

Identifying number for the pier

Not Used   **R408**   **156**   **State or Province Code**   **O   ID 2/2**

Code (Standard State/Province) as defined by appropriate government
agency

Segment:		**DTM** Date/Time Reference			
Position:		190			
Loop:		R4	Mandatory		
Level:		Heading			
Usage:		Optional (Must Use)			
Max Use:		15			
Purpose:		To specify pertinent dates and times			
Syntax Notes:		1	At least one of DTM02 DTM03 or DTM06 is required.		
		2	If either DTM06 or DTM07 is present, then the other is required.		
Semantic Notes:					
Comments:					
Notes:		*Sail date is required for POE, estimated arrival date is required for POD.*			

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	DTM01	374	**Date/Time Qualifier**		M ID 3/3
			Code specifying type of date or time, or both date and time		
			005	Sailing	
			Required for Port of Loading.		
			371	Estimated Arrival Date	
			Required for Port of Discharge.		
Must Use	DTM02	373	**Date**		X DT 6/6
			Date (YYMMDD)		
Not Used	DTM03	337	**Time**		X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
Not Used	DTM04	623	**Time Code**		O ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow		
Must Use	DTM05	624	**Century**		O N0 2/2
			The first two characters in the designation of the year (CCYY)		
Not Used	DTM06	1250	**Date Time Period Format Qualifier**		X ID 2/3
			Code indicating the date format, time format, or date and time format		
Not Used	DTM07	1251	**Date Time Period**		X AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times		

Segment:	**LX** Assigned Number					
Position:	010					
Loop:	LX	Mandatory				
Level:	Detail					
Usage:	Mandatory					
Max Use:	1					
Purpose:	To reference a line number in a transaction set					
Syntax Notes:						
Semantic Notes:						
Comments:						
Notes:	*1. Loop once for each container or breakbulk item.*					
	2. Any lift level charges that can not be associated with an individual container or breakbulk item will be pro-rated against all the items.					

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	LX01	554	Assigned Number	M N0 1/6
			Number assigned for differentiation within a transaction set	
			Assigned Number (loop counter).	

Segment:	**N7** Equipment Details
Position:	020
Loop:	N7　　Optional (Must Use)
Level:	Detail
Usage:	Optional (Must Use)
Max Use:	1
Purpose:	To identify the equipment

Syntax Notes:	1	If N703 is present, then N704 is required.
	2	If either N705 or N716 is present, then the other is required.
	3	If either N708 or N709 is present, then the other is required.

Semantic Notes:	1	N712 is the owner of the equipment.
	2	N723 is the operator or carrier of the rights of the equipment.

Comments:	1	N701 is mandatory for rail transactions.
	2	N720 and N721 are expressed in inches.

Notes:

1. N722 will be used if standard equipment descriptions are available in the ISO codes.

2. N711 will be used if standard equipment descriptions are not available in the ISO codes.

3. The *N7* segment will be used to describe each piece of equipment or commodity item.

4. R1122--At least one of N711 or N722 is required.

5. P11152021--If N711 is present, then N715, N720, and N721 are required.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
	N701	**206**	**Equipment Initial**	**O　AN 1/4**
			Prefix or alphabetic part of an equipment unit's identifying number	
			Equipment Initial (SCAC - Code Prefix).	
Must Use	**N702**	**207**	**Equipment Number**	**M　AN 1/10**
			Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	
			Container Number (for containers). *For Breakbulk, enter "BREAKBULK."*	
Must Use	**N703**	**81**	**Weight**	**O　R 1/10**
			Numeric value of weight	
Must Use	**N704**	**187**	**Weight Qualifier**	**X　ID 1/2**
			Code defining the type of weight	
			G　　　　　　Gross Weight	
Not Used	**N705**	**167**	**Tare Weight**	**X　N0 3/8**
			Weight of the equipment	
Not Used	**N706**	**232**	**Weight Allowance**	**O　N0 2/6**
			Allowance made for increased weight due to such factors as snow	
Not Used	**N707**	**205**	**Dunnage**	**O　N0 1/6**

Weight of material used to protect lading (even bracings, false floors, etc.)

Not Used	N708	183	**Volume**	X	R 1/8

Value of volumetric measure

Not Used	N709	184	**Volume Unit Qualifier**	X	ID 1/1

Code identifying the volume unit

	N710	102	**Ownership Code**	O	ID 1/1

Code indicating the relationship of equipment to carrier or ownership of equipment

    S   Customer Owned or Leased

Use this code for government owned equipment only, otherwise leave blank.

	N711	40	**Equipment Description Code**	O	ID 2/2

Code identifying type of equipment used for shipment

AC	Closed Container
AT	Closed Container (Controlled Temperature)
BC	Covered Barge
BK	Container, Bulk
BO	Barge Open
BR	Barge
CC	Container resting on a Chassis
CG	Container, Tank (Gas)
CI	Container, Insulated
CJ	Container, Insulated/Ventilated
CL	Container (Closed Top - Length Unspecified)
CM	Container, Open-Sided
CN	Container
CQ	Container, Tank (Food Grade-Liquid)
CS	Container-Low Side Open Top
CU	Container (Open Top - Length Unspecified)
CV	Closed Van
CW	Container, Tank (Chemicals)
CX	Container, Tank
CZ	Refrigerated Container
DT	Drop Back Trailer
FH	Flat Bed Trailer with Headboards
FN	Flat Bed Trailer with No Headboards
FR	Flat Bed Trailer - Removable Sides
FT	Flat Bed Trailer
HB	Container with Hangar Bars

                Container must be equipped with hangar beams/bars for garment shipments

HV	High Cube Van	
IX	Boxcar (Insulated)	
LS	Half Height Flat Rack	
OT	Open-top/flatbed trailer	
OV	Open Top Van	
PL	Container, Platform	
PT	Protected Trailer	
RA	Fixed-Rack, Flat-Bed Trailer	
	A flatbed trailer with an A-frame	
RC	Refrigerated (Reefer) Car	
RD	Fixed-Rack, Double Drop Trailer	
	A double-drop, flatbed with an A-frame	
RE	Flat Car (End Bulkheads)	
RF	Flat Car	
RR	Rail Car	
RS	Fixed-Rack, Single-Drop Trailer	
	A single-drop, flatbed with an A-frame	
RT	Controlled Temperature Trailer (Reefer)	
SD	Single-Drop Trailer	
	A flatbed trailer with one drop deck	
SL	Container, Steel	
	Container must be made of steel	
SS	Container with Smooth Sides	
	Walls in ocean container must be flat/smooth	
ST	Removable Side Trailer	
TA	Trailer, Heated/Insulated/Ventilated	
TC	Trailer, Car	
TF	Trailer, Dry Freight	
TI	Trailer, Insulated	
TL	Trailer (not otherwise specified)	
TM	Trailer, Insulated/Ventilated	
TW	Trailer, Refrigerated	
	A refrigerated trailer capable of keeping product cold. Different from a temperature controlled trailer which is able to keep product at a constant temperature	
VA	Container, Vented	
	Dry container must have vent openings for air exchange	

Not Used	**N712**	**140**	**Standard Carrier Alpha Code**	**O**	**ID 2/4**
			Standard Carrier Alpha Code		
Not Used	**N713**	**319**	**Temperature Control**	**O**	**AN 3/6**

Free-form abbreviation of temperature range or flash-point temperature

Not Used	N714	219	**Position**	O	AN 1/3

Relative position of shipment in car, trailer, or container (mutually defined)

	N715	567	**Equipment Length**	O	N0 4/5

Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)

Not Used	N716	571	**Tare Qualifier Code**	X	ID 1/1

Code identifying the type of tare

Must Use	N717	188	**Weight Unit Code**	O	ID 1/1

Code specifying the weight unit

K	Kilograms
L	Pounds
M	Measurement Ton

	N718	761	**Equipment Number Check Digit**	O	N0 1/1

Number which designates the check digit applied to a piece of equipment

Use for Containers only.

	N719	56	**Type of Service Code**	O	ID 2/2

Code specifying extent of transportation service requested

Refer to 003060 Data Element Dictionary for acceptable code values.

	N720	65	**Height**	O	R 1/8

Vertical dimension of an object measured when the object is in the upright position

	N721	189	**Width**	O	R 1/8

Shorter measurement of the two horizontal dimensions measured with the object in the upright position

	N722	24	**Equipment Type**	O	ID 4/4

Code identifying equipment type

ISO Equipment Code. For Code Values see Identification Marking Code for Freight Containers (ISO 2716-1972).

Not Used	N723	140	**Standard Carrier Alpha Code**	O	ID 2/4

Standard Carrier Alpha Code

Not Used	N724	301	**Car Type Code**	O	ID 1/4

Code maintained by AAR to identify a type of rail car or intermodal equipment type and its general physical characteristics; when using fewer than four characters, the value must include all of the leading or high order characters

		L1 Rate and Charges
Segment:		
Position:	070	
Loop:	L1 Optional	
Level:	Detail	
Usage:	Optional	
Max Use:	1	

Purpose: To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements

Syntax Notes:
1 At least one of L104 L105 or L106 is required.
2 If either L114 or L115 is present, then the other is required.
3 If either L117 or L118 is present, then the other is required.

Semantic Notes:
1 L119 is the percent used to determine the charge in L104.
2 L120, if used, indicates the currency for all monetary amounts in this L1 segment.

Comments:

Notes: *Use this segment to describe an expense associated with a breakbulk item or container.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
	L101	**213**	**Lading Line Item Number**	**O N0 1/3**
			Sequential line number for a lading item	
Must Use	**L102**	**60**	**Freight Rate**	**O R 1/9**
			Rate that applies to the specific commodity	
Must Use	**L103**	**122**	**Rate/Value Qualifier**	**O ID 2/2**

Code qualifying how to extend charges or interpret value

BF	Per 1,000 Board Feet
CF	Per 40 Cubic Feet (Measurement Ton)
CM	Per Cubic Meter
CS	Per Special Charge
KT	Per Kilotons
LS	Lump Sum
LT	Per Long Ton
MD	Per Man Per Day
PA	Per Container
PD	Per Day
PM	Per Mile
PP	Per Piece
PS	Per Shipment
PU	Per Unit
PV	Per Vehicle
SP	Per Stop

			ST	Per Short Ton		

| Must Use | L104 | 58 | **Charge** | **X** | **N2 1/9** |

For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified

| | L105 | 191 | **Advances** | **X** | **N2 1/9** |

Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified

Advances (pass throughs).

| Not Used | L106 | 117 | **Prepaid Amount** | **X** | **N2 1/9** |

Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified

| | L107 | 120 | **Rate Combination Point Code** | **O** | **AN 3/9** |

The code denoting the connecting station for a joint rate obtained by combining two or more published rates which are used for the calculation of transportation charges

Use in the clear name for location.

| Must Use | L108 | 150 | **Special Charge or Allowance Code** | **O** | **ID 3/3** |

Code identifying type of special charge or allowance

Refer to 003060 Data Element Dictionary for acceptable code values.

| Not Used | L109 | 121 | **Rate Class Code** | **O** | **ID 1/3** |

Code identifying specifically designated class of goods; Note: For international air shipments, see IATA Resolution 600k

| Not Used | L110 | 39 | **Entitlement Code** | **O** | **ID 1/1** |

Code identifying entitlement party

| Not Used | L111 | 16 | **Charge Method of Payment** | **O** | **ID 1/1** |

Code defining method of payment

| Not Used | L112 | 276 | **Special Charge Description** | **O** | **AN 2/25** |

Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150

| Not Used | L113 | 257 | **Tariff Application Code** | **O** | **ID 1/1** |

Code indicating to which traffic a tariff applies

| Not Used | L114 | 74 | **Declared Value** | **X** | **N2 2/10** |

Monetary assigned value expressed in the standard monetary denomination for the currency specified

| Not Used | L115 | 122 | **Rate/Value Qualifier** | **X** | **ID 2/2** |

Code qualifying how to extend charges or interpret value

| Not Used | L116 | 372 | **Lading Liability Code** | **O** | **ID 1/1** |

Code identifying limits of liability

| | L117 | 220 | **Billed/Rated-as Quantity** | **X** | **R 1/11** |

Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81

| | L118 | 221 | **Billed/Rated-as Qualifier** | **X** | **ID 2/2** |

Code identifying the type of quantity or value on which the rate or item pricing is based

EA	Each
MT	Measurement Ton
NR	Container

| | L119 | 954 | **Percent** | **O** | **R 1/10** |

Percentage expressed as a decimal

| **Not Used** | L120 | 100 | **Currency Code** | **O** | **ID 3/3** |

Code (Standard ISO) for country in whose currency the charges are specified

Segment:	**N9** Reference Identification
Position:	120
Loop:	N7 Optional (Must Use)
Level:	Detail
Usage:	Optional (Must Use)
Max Use:	3
Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:	1 At least one of N902 or N903 is required.
	2 If N906 is present, then N905 is required.
	3 If either C04003 or C04004 is present, then the other is required.
	4 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1 N906 reflects the time zone which the time reflects.
	2 N907 contains data relating to the value cited in N902.
Comments:	
Notes:	*This segment will occur at least twice. Once to identify the TCN and again to identify the Ocean Carrier Freight Bill of Lading Number for each container or breakbulk item.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N901	128	**Reference Identification Qualifier**	M ID 2/3

Code qualifying the Reference Identification

FR	Freight Bill Number
TG	Transportation Control Number (TCN)

	Ref. Des.	Data Element	Name	Attributes
Must Use	N902	127	**Reference Identification**	X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

	Ref. Des.	Data Element	Name	Attributes
Not Used	N903	369	**Free-form Description**	X AN 1/45

Free-form descriptive text

	Ref. Des.	Data Element	Name	Attributes
Not Used	N904	373	**Date**	O DT 6/6

Date (YYMMDD)

	Ref. Des.	Data Element	Name	Attributes
Not Used	N905	337	**Time**	X TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

	Ref. Des.	Data Element	Name	Attributes
Not Used	N906	623	**Time Code**	O ID 2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

Not Used	**N907**	**C040**	**Reference Identifier**	**O**	

To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier

Not Used	**C04001**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**

Code qualifying the Reference Identification

Not Used	**C04002**	**127**	**Reference Identification**	**M**	**AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Not Used	**C04003**	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**

Code qualifying the Reference Identification

Not Used	**C04004**	**127**	**Reference Identification**	**X**	**AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Not Used	**C04005**	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**

Code qualifying the Reference Identification

Not Used	**C04006**	**127**	**Reference Identification**	**X**	**AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

	Segment:	**L0** Line Item - Quantity and Weight
	Position:	150
	Loop:	L0 Optional
	Level:	Detail
	Usage:	Optional
	Max Use:	1
	Purpose:	To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data

	Syntax Notes:	**1**	If either L002 or L003 is present, then the other is required.
		2	If either L004 or L005 is present, then the other is required.
		3	If either L006 or L007 is present, then the other is required.
		4	If either L008 or L009 is present, then the other is required.
		5	If L011 is present, then L004 is required.
		6	If either L013 or L015 is present, then the other is required.
	Semantic Notes:	**1**	L008 is the number of handling units of the line item tendered to the carrier.
		2	L013 can only be used if the code in L009 is PLT, SKD, or SLP.
		3	L015 designates whether the carrier will be required to verify the number of units contained on a pallet, slip sheet or skid. Code "Y" indicates that the carrier will be required to verify. Code "N" indicates that the carrier will not be required to verify.
	Comments:	**1**	L013 is used to convey the total number of boxes, cartons, or pieces contained on a pallet, skid, or slip sheet for the line item.
	Notes:		*1. The L0 loop will be used to describe both GBL and contracted breakbulk items.*
			2. The L0 loop will iterate for each commodity within a GBL container.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Not Used	L001	213	**Lading Line Item Number**	O N0 1/3
			Sequential line number for a lading item	
	L002	220	**Billed/Rated-as Quantity**	X R 1/11
			Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81	
	L003	221	**Billed/Rated-as Qualifier**	X ID 2/2
			Code identifying the type of quantity or value on which the rate or item pricing is based	
			MT Measurement Ton	
	L004	81	**Weight**	X R 1/10
			Numeric value of weight	
	L005	187	**Weight Qualifier**	X ID 1/2
			Code defining the type of weight	
			G Gross Weight	
	L006	183	**Volume**	X R 1/8
			Value of volumetric measure	

	L007	184	**Volume Unit Qualifier**	X	**ID 1/1**
			Code identifying the volume unit		
			E Cubic Feet		
	L008	80	**Lading Quantity**	X	**N0 1/7**
			Number of units (pieces) of the lading commodity		
	L009	211	**Packaging Form Code**	X	**ID 3/3**
			Code for packaging form of the lading quantity		
			Refer to 003060 Data Element Dictionary for acceptable code values.		
Not Used	L010	458	**Dunnage Description**	O	**AN 2/25**
			Material used to protect lading		
	L011	188	**Weight Unit Code**	O	**ID 1/1**
			Code specifying the weight unit		
			K Kilograms		
			L Pounds		
			M Measurement Ton		
Not Used	L012	56	**Type of Service Code**	O	**ID 2/2**
			Code specifying extent of transportation service requested		
Not Used	L013	380	**Quantity**	X	**R 1/15**
			Numeric value of quantity		
Not Used	L014	211	**Packaging Form Code**	O	**ID 3/3**
			Code for packaging form of the lading quantity		
Not Used	L015	1073	**Yes/No Condition or Response Code**	X	**ID 1/1**
			Code indicating a Yes or No condition or response		

Segment:	**L5** Description, Marks and Numbers		
Position:	160		
Loop:	L0 Optional		
Level:	Detail		
Usage:	Optional		
Max Use:	999		
Purpose:	To specify the line item in terms of description, quantity, packaging, and marks and numbers		
Syntax Notes:	1 If either L503 or L504 is present, then the other is required.		
	2 If L507 is present, then L506 is required.		
	3 If either L508 or L509 is present, then the other is required.		
Semantic Notes:			
Comments:	1 L502 may be used to send quantity information as part of the product description.		
Notes:	*This segment is required for all items to identify MILSTAMP commodity codes.*		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Not Used	L501	213	**Lading Line Item Number**	O N0 1/3
			Sequential line number for a lading item	
Not Used	L502	79	**Lading Description**	O AN 1/50
			Description of an item as required for rating and billing purposes	
Must Use	L503	22	**Commodity Code**	X AN 1/30
			Code describing a commodity or group of commodities	

For Breakbulk, use: 20--Bulk; 31--Empty Container; 40--Ammo; 68--Gas Cylinder; 69--Recyclables; 71--Empty Pallets; 72--Buoy Cases; 84--Light Vehicle; 85--Heavy Vehicle; 90--Aircraft; 91--Helicopters.
For Container, use: 10--Reefer; 12--Beef (old beef contract); 60--General; 86--Vehicle.

	Ref. Des.	Data Element	Name	Attributes
Must Use	L504	23	**Commodity Code Qualifier**	X ID 1/1
			Code identifying the commodity coding system used for Commodity Code	
			I Milstamp AITC or Water Commodity Code	
			Z Mutually defined	

(CARS Expense Commodity Code)

	Ref. Des.	Data Element	Name	Attributes
	L505	103	**Packaging Code**	O AN 3/5
			Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material	
			ML2 MILVAN	
			A military owned demountable container that conforms to US and international standards and operates in a centrally controlled fleet for movement of military cargo	
			MS2 MSCVAN	

				A commerical (leased) or Government-owned shipping container controlled by the Military Sealift Command	
			SV2	SEAVAN	
				A commercial or government-owned (or leased) shipping container which is moved via ocean transportation without wheels attached and is lifted on and off a ship	
			TNK	Tank	
			VEH	Vehicles	
			04	As Specified by the DOT	

Not Used   **L506**   **87**   **Marks and Numbers**   **X**   **AN 1/48**

Marks and numbers used to identify a shipment or parts of a shipment

Not Used   **L507**   **88**   **Marks and Numbers Qualifier**   **O**   **ID 1/2**

Code specifying the application or source of Marks and Numbers (87)

       L508   **23**   **Commodity Code Qualifier**   **X**   **ID 1/1**

Code identifying the commodity coding system used for Commodity Code

         I   Milstamp AITC or Water Commodity Code

         Z   Mutually defined

> *Mutually defined table for each carrier to translate into tariff commodity codes.*

       L509   **22**   **Commodity Code**   **X**   **AN 1/30**

Code describing a commodity or group of commodities

> *For Breakbulk, use: 20--Bulk; 31--Empty Container; 40--Ammo; 68--Gas Cylinder; 69--Recyclables; 71--Empty Pallets; 72--Buoy Cases; 84--Light Vehicle; 85--Heavy Vehicle; 90--Aircraft; 91--Helicopters.*
> *For Container, use: 10--Reefer; 12--Beef (old beef contract); 60--General; 86--Vehicle.*

Not Used   **L510**   **595**   **Compartment ID Code**   **O**   **ID 1/1**

Code identifying the compartment in a compartmentalized tank car

Segment:	# L1 Rate and Charges
Position:	170
Loop:	L1 Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements
Syntax Notes:	1 At least one of L104 L105 or L106 is required.
	2 If either L114 or L115 is present, then the other is required.
	3 If either L117 or L118 is present, then the other is required.
Semantic Notes:	1 L119 is the percent used to determine the charge in L104.
	2 L120, if used, indicates the currency for all monetary amounts in this L1 segment.
Comments:	
Notes:	*1. Use at the content level for GBL containers.*
	2. The L1 loop will not be repeated.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
	L101	**213**	**Lading Line Item Number**	**O N0 1/3**
			Sequential line number for a lading item	
Must Use	**L102**	**60**	**Freight Rate**	**O R 1/9**
			Rate that applies to the specific commodity	
Must Use	**L103**	**122**	**Rate/Value Qualifier**	**O ID 2/2**
			Code qualifying how to extend charges or interpret value	

BF	Per 1,000 Board Feet
CF	Per 40 Cubic Feet (Measurement Ton)
CM	Per Cubic Meter
CS	Per Special Charge
KT	Per Kilotons
LS	Lump Sum
LT	Per Long Ton
MD	Per Man Per Day
PA	Per Container
PD	Per Day
PM	Per Mile
PP	Per Piece
PS	Per Shipment
PU	Per Unit
PV	Per Vehicle
SP	Per Stop

			ST	Per Short Ton		

Must Use	L104	58	**Charge**		X	**N2 1/9**

For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified

	L105	191	**Advances**		X	**N2 1/9**

Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified

Not Used	L106	117	**Prepaid Amount**		X	**N2 1/9**

Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified

	L107	120	**Rate Combination Point Code**		O	**AN 3/9**

The code denoting the connecting station for a joint rate obtained by combining two or more published rates which are used for the calculation of transportation charges

Use in the clear name for location.

Must Use	L108	150	**Special Charge or Allowance Code**		O	**ID 3/3**

Code identifying type of special charge or allowance

Refer to 003060 Data Element Dictionary for acceptable code values.

Not Used	L109	121	**Rate Class Code**		O	**ID 1/3**

Code identifying specifically designated class of goods; Note: For international air shipments, see IATA Resolution 600k

Not Used	L110	39	**Entitlement Code**		O	**ID 1/1**

Code identifying entitlement party

Not Used	L111	16	**Charge Method of Payment**		O	**ID 1/1**

Code defining method of payment

Not Used	L112	276	**Special Charge Description**		O	**AN 2/25**

Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150

Not Used	L113	257	**Tariff Application Code**		O	**ID 1/1**

Code indicating to which traffic a tariff applies

Not Used	L114	74	**Declared Value**		X	**N2 2/10**

Monetary assigned value expressed in the standard monetary denomination for the currency specified

Not Used	L115	122	**Rate/Value Qualifier**		X	**ID 2/2**

Code qualifying how to extend charges or interpret value

Not Used	L116	372	**Lading Liability Code**		O	**ID 1/1**

Code identifying limits of liability

	L117	220	**Billed/Rated-as Quantity**		X	**R 1/11**

Basis for rating (miles, value, volume, etc.); Note: Weight may be defined

by either data element 220 or 81

| | L118 | 221 | **Billed/Rated-as Qualifier** | **X** | **ID 2/2** |

Code identifying the type of quantity or value on which the rate or item pricing is based

	EA	Each
	MT	Measurement Ton
	NR	Container

| | L119 | 954 | **Percent** | **O** | **R 1/10** |

Percentage expressed as a decimal

| **Not Used** | L120 | 100 | **Currency Code** | **O** | **ID 3/3** |

Code (Standard ISO) for country in whose currency the charges are specified

Segment:	**L7** Tariff Reference				
Position:	190				
Loop:	L0 Optional				
Level:	Detail				
Usage:	Optional				
Max Use:	1				
Purpose:	To reference details of the tariff used to arrive at applicable rates or charge				
Syntax Notes:					
Semantic Notes:	1 L710 is the effective date.				
	2 In L715 and L716, "City" and "State" are used for rate combination city and state.				
Comments:					
Notes:	*Use this segment for GBLs.*				

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Not Used	L701	213	**Lading Line Item Number**	O	N0 1/3
			Sequential line number for a lading item		
	L702	168	**Tariff Agency Code**	O	ID 1/4
			Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment		
Must Use	L703	171	**Tariff Number**	O	AN 1/7
			Standard tariff number for the tariff which governs the rates applied to the commodity item(s)		
	L704	172	**Tariff Section**	O	AN 1/2
			Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff		
Must Use	L705	169	**Tariff Item Number**	O	AN 1/16
			Number assigned in the tariff to specific rate or group of rates that applies to one or more items in the shipment		
Not Used	L706	170	**Tariff Item Part**	O	N0 1/2
			Number assigned to subsection of a specific tariff item (arbitrary)		
Not Used	L707	59	**Freight Class Code**	O	AN 2/5
			Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc.		
Not Used	L708	173	**Tariff Supplement Identifier**	O	AN 1/4
			Identifier for the tariff supplement which contains the rate used		
Not Used	L709	46	**Ex Parte**	O	AN 4/4
			Level of rates as published in the tariff		
Not Used	L710	373	**Date**	O	DT 6/6
			Date (YYMMDD)		
Not Used	L711	119	**Rate Basis Number**	O	AN 1/6

The (mileage) factor published for rating purposes in the appropriate tariff

| Not Used | L712 | 227 | **Tariff Column** | **O** | **AN 1/2** |

A tariff commodity classification that is used, as a means of control, for grouping of commodities in tariff applications

| Not Used | L713 | 294 | **Tariff Distance** | **O** | **N0 1/5** |

Distance on which the rate for a shipment is based

| Not Used | L714 | 295 | **Distance Qualifier** | **O** | **ID 1/1** |

Code identifying the distance unit

| Not Used | L715 | 19 | **City Name** | **O** | **AN 2/30** |

Free-form text for city name

| Not Used | L716 | 156 | **State or Province Code** | **O** | **ID 2/2** |

Code (Standard State/Province) as defined by appropriate government agency

Segment:	**L3** Total Weight and Charges				

Segment: **L3** Total Weight and Charges

Position:	010
Loop:	
Level:	Summary
Usage:	Mandatory
Max Use:	1
Purpose:	To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items
Syntax Notes:	1 If either L301 or L302 is present, then the other is required.
	2 If either L303 or L304 is present, then the other is required.
	3 If either L309 or L310 is present, then the other is required.
	4 If L312 is present, then L301 is required.
	5 If either L314 or L315 is present, then the other is required.
Semantic Notes:	1 L305 is the total charges.
Comments:	
Notes:	*If codes RB or CO are used in B308 (table 1), L307 will combine sum of all paid and unpaid invoice line items.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Not Used	L301	81	**Weight**	X	R	1/10
			Numeric value of weight			
Not Used	L302	187	**Weight Qualifier**	X	ID	1/2
			Code defining the type of weight			
Not Used	L303	60	**Freight Rate**	X	R	1/9
			Rate that applies to the specific commodity			
Not Used	L304	122	**Rate/Value Qualifier**	X	ID	2/2
			Code qualifying how to extend charges or interpret value			
Must Use	L305	58	**Charge**	O	N2	1/9
			For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified			
			Charge (total invoice amount - checks against B307).			
Not Used	L306	191	**Advances**	O	N2	1/9
			Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified			
	L307	117	**Prepaid Amount**	O	N2	1/9
			Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified			
			Total invoice amount.			
Not Used	L308	150	**Special Charge or Allowance Code**	O	ID	3/3

Code identifying type of special charge or allowance

| Not Used | L309 | 183 | **Volume** | **X** | **R 1/8** |

Value of volumetric measure

| Not Used | L310 | 184 | **Volume Unit Qualifier** | **X** | **ID 1/1** |

Code identifying the volume unit

| Not Used | L311 | 80 | **Lading Quantity** | **O** | **N0 1/7** |

Number of units (pieces) of the lading commodity

| Not Used | L312 | 188 | **Weight Unit Code** | **O** | **ID 1/1** |

Code specifying the weight unit

| Not Used | L313 | 171 | **Tariff Number** | **O** | **AN 1/7** |

Standard tariff number for the tariff which governs the rates applied to the commodity item(s)

| Not Used | L314 | 74 | **Declared Value** | **X** | **N2 2/10** |

Monetary assigned value expressed in the standard monetary denomination for the currency specified

| Not Used | L315 | 122 | **Rate/Value Qualifier** | **X** | **ID 2/2** |

Code qualifying how to extend charges or interpret value

Segment:		**SE** Transaction Set Trailer		

Position:	080
Loop:	
Level:	Summary
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Syntax Notes:	
Semantic Notes:	
Comments:	**1** SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**SE01**	**96**	**Number of Included Segments**	**M N0 1/10**
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	**SE02**	**329**	**Transaction Set Control Number**	**M AN 4/9**
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			1. Cite the same value that appears in ST02.	